

## WEST Search History

DATE: Sunday, April 28, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB USPT,JPAB,EPAB,DWPI; PLUR YES; OP OR</i>			
L8	L5 and (load\$ adj2 (domain or modul\$))	14	L8
L7	L5 and (load\$ adj2 (domain or modul\$))	14	L7
L6	L5 same hybrid	41	L6
L5	polyketide adj synthase	198	L5
<i>DB=DWPI; PLUR YES; OP OR</i>			
L4	rapamycin same erythromycin	8	L4
L3	rapamycin same debs	0	L3
L2	L1 and polyketide	0	L2
L1	9701810	9	L1

END OF SEARCH HISTORY

09/720840  
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 15:14:53 ON 28 APR 2002

L1 774 S POLYKETIDE (W. SYNTHASE  
L2 30 S L1 AND (LOAD? (2W) (DOMAIN OR MODUL?))  
L3 11 S L2 AND PD<2000

L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:764178 CAPLUS

TI Sequence and recombinant narkonolide polyketide synthase  
applications from Streptomyces venezuelae for creation of useful  
antibiotics

IN Ashley, Gary; Betlach, Melanie C.; Betlach, Mary; McDaniel, Robert; Tang, Li  
PA Kusan Biosciences, Inc., USA

SO PCT Int. Appl., 98 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9961599	A2	19991202	WO 1999-US11814	19990527 ---
	WO 9961599	A3	20000127		
	CA 2328427	AA	19991202	CA 1999-2328417	19990527 ---
	AU 9942137	A1	19991213	AU 1999-42137	19990527 ---
	EP 1082439	A2	20010314	EP 1999-925954	19990527
PRAI	US 1998-87080P	P	19980528		
	US 1998-141908	A	19980828		
	US 1998-190880P	P	19980922		
	US 1999-119139P	P	19990208		
	WO 1999-US11814	W	19990527		

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:516473 CAPLUS

TI Conversion of a .beta.-Ketoacyl Synthase to a Malonyl Decarboxylase by  
Replacement of the Active-Site Cysteine with Glutamine

AU Witkowski, Andrzej; Joshi, Anil K.; Lindqvist, Ulva; Smith, Stuart

SO Biochemistry (1999), 38(36), 11643-11650

L3 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:468634 CAPLUS

TI Chimeric polyketide synthase gene assembly construct  
and its use in the synthesis of novel polyketides

IN Leadlay, Peter Francis; Staunton, James; Wilkinson, Barrie; Rowe,  
Christine Janet; Bohm, Ines Ute; Buss, Antony David

PA University of Cambridge, UK; Glaxo Wellcome PLC; Glaxo Group Limited

SO PCT Int. Appl., 29 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9936546	A1	19990722	WO 1999-GB117	19990114 ---
	CA 2318365	AA	19990722	CA 1999-2318365	19990114 ---
	AU 9920667	A1	19990802	AU 1999-20667	19990114 ---
	EP 1045912	A1	20001025	EP 1999-901036	19990114
	JP 2002508968	T2	20020326	JP 2000-540248	19990114
PFAI	GB 1998-675	A	19980114		
	GB 1998-879	A	19980115		
	WO 1999-GB117	W	19990114		

L3 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:802928 CAPLUS  
 TI Evaluating precursor-directed biosynthesis towards novel erythromycins through in vitro studies on a bimodular polyketide synthase  
 AU Weissman, Kira J.; Bycroft, Matthew; Cutter, Annabel L.; Hanefeld, Ulf; Frost, Elizabeth J.; Timoney, Maire C.; Harris, Rebecca; Handa, Sandeep; Roddis, Marc; Staunton, James; Leadlay, Peter F.  
 SO Chem. Biol. (1998), 5(12), 743-754

L3 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:773803 CAPLUS  
 TI Novel erythromycins from a recombinant Saccharopolyspora erythraea strain NRRL 2338 pIG1. I. Fermentation, isolation and biological activity  
 AU Pacey, Michael S.; Dirlam, John P.; Geldart, Roderick W.; Leadlay, Peter F.; McArthur, Hamish A. I.; McCormick, Ellen L.; Monday, Robert A.; O'Connell, Thomas N.; Staunton, James; Winchester, Toby J.  
 SO J. Antibiot. (1998), 51(11), 1029-1034

L3 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:550965 CAPLUS  
 TI Engineering of a minimal modular polyketide synthase, and targeted alteration of the stereospecificity of polyketide chain extension  
 AU Bohm, Ines; Hlazkaur, Ines E.; Hanefeld, Ulf; Cortes, Jesus; Staunton, Jim; Leadlay, Peter F.  
 SO Chem. Biol. (1998), 5(8), 407-412

L3 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:132500 CAPLUS  
 TI The loading domain of the erythromycin polyketide synthase is not essential for erythromycin biosynthesis in Saccharopolyspora erythraea  
 AU Pereda, Ana; Summers, Richard G.; Stassi, Diane L.; Fuan, Xiaoan; Katz, Leonard  
 SO Microbiology (Reading, U. K.) (1998), 144(2), 543-553

L3 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:66007 CAPLUS  
 TI Manufacture of substituted erythromycins with transgenic Saccharopolyspora using a carboxylic acid-contg. medium  
 IN Leadlay, Peter Francis; Staunton, James; Cortes, Jesus; Pacey, Michael Stephen  
 PA Biotica Technology Ltd., UK; Pfizer Inc.; Leadlay, Peter Francis; Staunton, James; Cortes, Jesus; Pacey, Michael Stephen  
 SO PCT Int. Appl., 97 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9801571	A2	19980115	WO 1997-GB1810	19970704 ---
	WO 9801571	A3	19980219		
	CA 2259420	AA	19980115	CA 1997-2259420	19970704 ---
	CA 2259463	AA	19980115	CA 1997-2259463	19970704 ---
	AU 9734509	A1	19980202	AU 1997-34509	19970704 ---
	AU 731301	B2	20010329		
	EP 909327	A2	19990421	EP 1997-930626	19970704 ---
	GB 2331518	A1	19990526	GB 1999-156	19970704 ---
	GB 2331518	B2	20010314		

CN 1229438	A	19990902	CN 1997-197649	19970704	---
BR 9710209	A	20000111	BR 1997-10209	19970704	
JF 20000516450	T2	20001212	JF 1998-504925	19970704	
WO 9804308	A2	19981203	WO 1998-GB1559	19980528	---
WO 9804308	A3	19990408			
AU 9876661	A1	19981230	AU 1998-76661	19980528	---
EF 983348	A2	20000308	EF 1998-924463	19980528	
NO 9900012	A	19990213	NO 1999-12	19990104	---
KR 2000023579	A	20000425	KR 1999-700024	19990105	
US 6271255	B1	20010807	US 1999-214454	19990916	
US 2001016598	A1	20010823			
US 2002004487	A1	20020110	US 2001-896357	20010629	
PRAI GB 1996-14189	A	19960705			
US 1996-24188P	P	19960819			
GB 1997-10962	A	19970528			
WO 1997-GB1810	W	19970704			
WO 1998-GB1559	W	19980528			
US 1999-214454	A3	19990916			

L3 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1998:48976 CAPLUS

TI Engineering broader specificity into an antibiotic-producing polyketide synthase

AU Marsden, Andrew F. A.; Wilkinson, Barrie; Cortes, Jesus; Dunster, Nicholas J.; Staunton, James; Leadlay, Peter F.

SO Science (Washington, D. C.) (1998), 279(5348), 199-202

L3 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1998:29111 CAPLUS

TI Identification and sequence analysis of the genes encoding a polyketide synthase required for pyoluteorin biosynthesis in *Pseudomonas fluorescens* Pf-5

AU Nowak-Thompson, Brian; Gould, Steven J.; Loper, Joyce E.

SO Gene (1997), 204(1/2), 17-24

L3 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1994:403834 CAPLUS

TI Limited proteolysis and active-site studies of the first multienzyme component of the erythromycin-producing polyketide synthase

AU Aparicio, Jesus F.; Caffrey, Patrick; Marsden, Andrew F. A.; Staunton, James; Leadlay, Peter F.

SO J. Biol. Chem. (1994), 269(11), 8524-8